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## ABSTRACT

A communication system capable of more reliably collecting monitoring results of monitoring modules of end terminals and repeaters by a monitoring terminal is provided. A monitoring terminal 45 transmits a monitoring result request signal S46a designating an optical transmission line 10 as a response route via an optical transmission line 11 to a repeater 42, while a monitoring module 44 of the repeater 42 transmits a monitoring result response signal S47a indicating the monitoring result via the optical transmission line 10 to the monitoring terminal 45. In this case, due to disconnection, the monitoring terminal 45 does not receive the monitoring result response signal S47a. Next, the monitoring terminal 45 transmits the monitoring result request signal S46a designating the optical transmission line 11 as the response route via the optical transmission line 11 to the repeater 42. Then, the repeater 42 transmits the monitoring result response signal S47a via the optical transmission line 11 to the monitoring terminal 45.